

ABSTRACT

A sewing machine ~~comprises~~ includes an arm including a vertical portion and a horizontal portion ~~of an arm~~ having at least one sewing needle mounted thereon, a bed extending in parallel to the horizontal portion ~~and~~ under the horizontal portion of the arm, two first rails extending ~~in parallel~~ parallel to the bed in the neighborhood of the side portion of the vertical portion ~~of the arm~~, first carriages adapted to slide on the first rails, ~~respectively~~, and a second rail connected to the first carriages and perpendicular to the first rails, wherein the distance between the two first rails is shorter ~~than or or~~ equal to the length of the second rail, ~~therail~~. The sewing machine ~~further comprising~~ includes a second carriage adapted to slide on the second rail, and an embroidery frame unit mounted on the second carriage ~~on the side portion of the second rail~~ located far from the vertical portion of the arm, wherein the first carriages are located on one side of the second rail, and the embroidery frame unit is located on the other side of the second rail. The sewing machine is ~~thus capable~~ capable of embroidery without being limited by the distance between the rails.